Avid® Interplay® Central

Additional Installation and Configuration Information for Version 1.3

This document contains installation and configuration information that is not included in the *Avid Interplay Common Services Installation and Configuration Guide*.

Important: Search the Avid Knowledge Base at www.avid.com/support for the most up-to-date version of this file, which contains the latest information that might have become available after the documentation was published.

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Licensing Requirements and Configuration for Version 1.3

Interplay Central v1.3 requires the following licenses.

- For iNEWS users:
  - An iNEWS client license for each Interplay Common Services (ICS) server that connects to an iNEWS server
  - An iNEWS session license for each user that simultaneously connects to an iNEWS server through the Interplay Central Web application or the Interplay Central iOS® application (Apple® iPad® tablet or Apple iPhone® device)
  - An Interplay Central mobile license for each user that connects to an iNEWS server through the Interplay Central Blackberry® application.
- For Interplay Production users:
  - An Interplay Central Browse (or Base) license for each user that uses basic functionality. This license allows browsing of media stored in an Interplay Production database, logging, and creation of basic sequences. This license is classified as J type in Interplay Production
  - An Interplay Central Full (or Advance) client license for each user that uses advanced functionality. This license allows all functions, including browsing of an Interplay Production database, logging, and creation of basic and advanced sequences. This license is classified as G type in Interplay Production.

    This license is required if using both Interplay Production and iNEWS in a single Interplay Central client session.

Delivery of Licenses on Back-End Systems

An iNEWS client license or an Interplay Central mobile license for a specified number of clients is sent to the customer through email along with specific installation instructions. However, to ensure proper licensed integration between Interplay Central and iNEWS, additional modification to system files in the iNEWS database is also required. For more information on those modification procedures, see “Verifying Interplay Central Licenses on iNEWS” on page 4, “Editing SYSTEM.CLIENT.VERSIONS” on page 5, and “Editing SYSTEM.CLIENT.WINDOWS” on page 6.

An Interplay Production license for a specified number of clients is supplied to the customer on a USB flash drive as a file with the extension nxn. For more information, see “Installing the Interplay Production License for Interplay Central” on page 3.

Configuration on the Front-End

You specify the type of license for each Interplay Central role in the Details tab of the Users layout. Select one of the following options:

For this license type:	Select this option in the Details tab:
Interplay Central Browse license	Browse Media
Interplay Central Full license	Edit Media

You do not select an option for the Interplay Central mobile license or the iNEWS client license.

The Basic license type is not used in Interplay Central v1.3.

For more information, see “Creating and Deleting Roles” in the *Avid Interplay Central Administration Guide*.

Installing the Interplay Production License for Interplay Central

The Avid Interplay Administrator is a client application that can be installed on any computer in your network and then used to manage either the Interplay Engine or the Interplay Archive Engine. You can use the Licenses view of the Interplay Administrator to install the Interplay Production license needed for integration with Interplay Central. For more information about this application, see the *Avid Interplay Engine and Avid Interplay Archive Engine Administrator’s Guide*.

To install the Interplay Production license for Interplay Central:

1. Start and log in to the Interplay Administrator.
2. Make a folder for the license file on the root directory (C:\) of the Interplay Central middleware server. For example:

   `C:\Interplay_Licenses`
3. Insert the USB flash drive into any USB port.

   If the USB flash drive does not automatically display:

   a. Double-click the computer icon on the desktop.

   b. Double-click the USB flash drive icon to open it.
4. Copy the license file (*.nxn) into the new folder you created.
5. In the Server section of the Interplay Administrator window, click the Licenses icon.
6. Click the Import License button.

7. Select the file and click Open. The type of licenses (J or G) are displayed in the License Types area.

Verifying Interplay Central Licenses on iNEWS

Before you can use Interplay Central to connect to any back-end system, such as an iNEWS newsroom computer system, you must ensure iNEWS is configured with the proper number of Interplay Central devices authorized to connect to the system based on the purchased licenses. You can view iNEWS licensing limits from the iNEWS console.

To display iNEWS licensing limits, at the console, type:

- `NRCS-A$ status license`

  A message similar to the following will appear on your screen:

```
A is ONLINE and has been CONFIGURED. ID is INWS.
System is AB. Master is A.
Disk status is OK. The database is OPEN.
Site Key.............. : 009999
CPUs.................. : 3
Workstation addresses : 3000
Workstation resources : 1000
COM resources........ : 5
Web Access resources. : 2
Web Client resources. : 10
Web API resources.... : 5
Wire Server resources : 8
Instinct resources... : 10
Mobile devices allowed: 2000
Community Sessions... : allowed.
```

  The three lines to pay attention to are:

  - Workstation addresses—indicates how many IP and/or MAC addresses can be specified in the SYSTEM.CLIENT.WINDOWS story. This story may be deleted from the iNEWS database if Workstation addresses shows a “site” license and IP-specific restriction is not wanted.
  - Workstation resources—the number of clients that can simultaneously connect to iNEWS, including iNEWS workstations, Interplay Central workstations, Apple iPad tablets, and Apple iPhone devices.

- Mobile devices allowed—the number of mobile devices that can simultaneously connect to iNEWS, including Blackberry smart phones running the Interplay Central mobile application.

Any time the iNEWS newsroom computer system is configured, your licensing information is checked. An error message appears in iNEWS if the configuration file defines more devices than are licensed.

To change license allowances:

- Contact an Avid sales representative.

Configure iNEWS for Integration with Interplay Central

Before you can connect to an iNEWS newsroom computer system from an Interplay Central workstation, you must edit two system files in iNEWS so that iNEWS recognizes Interplay Central as a properly licensed device.

The files to edit are:

- SYSTEM.CLIENT.VERSIONS
- SYSTEM.CLIENT.WINDOWS

Additional files must be edited to ensure proper licensing for iNEWS integration with the Interplay Central mobile application. For more information, see "Installing and Configuring the Avid Central Mobile Application" on page 7.

Editing SYSTEM.CLIENT.VERSIONS

Some steps in the following procedure are conducted at the iNEWS console in superuser mode. For more information, see "The iNEWS Console" chapter in the *iNEWS Installation and Configuration Guide*.

To edit the SYSTEM.CLIENT.VERSIONS story in iNEWS:

1. Sign in to an iNEWS workstation as a system administrator, or any user account with write access to the System directory.
2. Navigate to SYSTEM.CLIENT.VERSIONS and open the first story in that queue.
3. On a new line, add the version of the Interplay Central service that will run on the Interplay Central middleware server. You must use a four-segment build number. For example, for version1.3.0, type: `1.3.0.62`.
4. Save the story.

5. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt will change to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A# offline`
   d. Reconfigure the system by typing: `NRCS-A# configure`
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A# online`
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt will change back to a dollar sign ($).

Editing SYSTEM.CLIENT.WINDOWS

The following procedure only applies to sites that are not using a "site" license as Workstation addresses in iNEWS. You can review your site license information from the iNEWS console. For more information, see "Verifying Interplay Central Licenses on iNEWS" on page 4.

Some steps in the following procedure are conducted at the iNEWS console in superuser mode. For more information, see "The iNEWS Console" chapter in the *iNEWS Installation and Configuration Guide*.

To edit the SYSTEM.CLIENT.WINDOWS story in iNEWS:

1. Sign in to an iNEWS workstation as a system administrator, or any user account with write access to the System directory.
2. Navigate to SYSTEM.CLIENT.WINDOWS and open the first story in that queue.
3. Add the IP address of the Interplay Central middleware server to a new line. Use a semicolon to add helpful commentary for future reference to the end of the line.

   For instance, type: `125.1.100.5 ;Interplay Central middleware server`

   If there are multiple middleware (Web application) servers, you will need to add the IP address for each one on individual lines in the story.

You do not need to add to SYSTEM.CLIENT.WINDOWS the IP addresses of any Interplay Central client computers or devices.

4. Save the story.

5. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt will change to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A# offline`
   d. Reconfigure the system by typing: `NRCS-A# configure`
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A# online`
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt will change back to a dollar sign ($).

Installing and Configuring the Avid Central Mobile Application

The Avid Central mobile application is a native user interface designed to run on the Apple iPad touch-screen tablet, the Apple iPhone touch-screen phone, or the BlackBerry smart phone, and enable direct, secure access to your station's iNEWS newsroom computer system.

The following main topics describe the installation and configuration verification procedures necessary for the Avid Central mobile application.

- Installation and Configuration for the iPad and iPhone
- Installation and Configuration for the BlackBerry

Installation and Configuration for the iPad and iPhone

You can use the Avid Central mobile application to view and approve news stories, navigate the news directory, play video sequences associated with stories and view a show's scripts in presenter mode (iPad only) while signed in to your station's iNEWS newsroom computer system.

There are various connection options available when using the Avid Central mobile application:

- Wi-Fi
- Carrier-specific cellular service — for example, 3G or 4G

The application automatically selects the first available connection from the list of options according to the priority shown in the list.

Checklist: Before You Begin

Before you can use the Avid Central mobile application with an iNEWS newsroom computer system, you need to verify some important information and install the application on the device(s).

Ensure the following tasks are completed.

	Tasks	Refer to...
❑	Confirm that iNEWS is properly configured for licensed integration with the Avid Central mobile application.	"Configure iNEWS for Integration with Interplay Central" on page 5
❑	Install Avid Central on the device(s).	"Install Avid Central on the iPad or iPhone" on page 11

iNEWS Configuration for iPad and iPhone Integration

Before you can connect to an iNEWS newsroom computer system from a device running the Avid Central mobile application, you must view and, if necessary, edit two system files in iNEWS so that iNEWS recognizes the Avid Central mobile application as a properly licensed device.

The files to check are:

- SYSTEM.CLIENT.VERSIONS
- iNEWS configuration file

Editing SYSTEM.CLIENT.VERSIONS

You use the iNEWS console in superuser mode. for some steps in the following procedure. For more information, see "The iNEWS Console" chapter in the *iNEWS Installation and Configuration Guide*.

To view or edit the SYSTEM.CLIENT.VERSIONS story in iNEWS:

1. Sign in to an iNEWS workstation as a system administrator, or any user account with write access to the System directory.
2. Navigate to SYSTEM.CLIENT.VERSIONS and open the first story in that queue.

3. Confirm that the Interplay Central server version appears as a line in the story.

   If the version is correct, then close the story. You do not need to complete the rest of the steps in this procedure.

   If the version does not appear, on a new line add the Interplay Central server version and proceed to the next step in this procedure.
4. Save the story.
5. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt changes to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A# offline`
   d. Reconfigure the system by typing: `NRCS-A# configure`
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A# online`
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt changes to a dollar sign ($).

Adding iPad and iPhone Devices to the iNEWS Configuration File

The configuration file (/site/config) lists all devices, servers, and resources configured to run on your iNEWS newsroom computer system and how they are connected. If a mobile device does not appear in the configuration file, you cannot use it with the iNEWS newsroom computer system.

The Avid Central mobile application uses the same G (inws) sessions in the configuration file as other Interplay Central Web clients or as iNEWS workstations. You need to confirm that there are enough sessions configured to handle simultaneous connections from these types of devices available to users at your site.

You need to edit the configuration file only if there are not enough sessions.

If you need to edit the configuration file, see "The iNEWS Console" and "System Configuration" chapters in the *iNEWS Installation and Configuration Guide*. Also, some steps require use of ed, the line editor. If you do not know how to use the line editor to modify lines in the file, see "The Line Editor, ed" in the *iNEWS Installation and Configuration Guide*.

To edit /site/config for the Avid Central mobile application:

1. Select all servers.

Whenever you make changes to any iNEWS site file, such as the configuration file, you must select all servers in your system at the console. Unlike database stories, site files are not automatically mirrored from one computer's disk to another.

2. Type: **`ed /site/config`** and then press Enter.

   The editor displays a numerical value indicating the file size expressed as the number of characters, including spaces and returns.

   The configuration file has two major sections: the host section and the device section. For the Avid Central mobile integration, you must edit both.

3. In the host section, add a resource list entry, using the following format.

   `reslist <device # or range> ; <comments>`

   For instance: **`reslist 2001:2005 ;iNEWS and IPC sessions`**

For dual or triple server systems, the configuration file has multiple host sections to define which server handles which devices under various circumstances. You should add resource list entries to each host section.

4. In the INWS sessions section, add a resource line for the devices, using the following format:.

   `inws <device # or range> - gnews <device name> ;<comment>`

   For instance: **`inws 2001:2005 - gnews -`**

5. Type **`w`** to write (save) your changes to disk.

Do not use an uppercase W in this step. Uppercase W appends the file you edit to the existing file. The resulting file might be unreadable and lead to problems with running your iNEWS system.

6. Type **`q`** to quit the line editor.
7. (Optional) Use the configure command to test your configuration changes, using the following syntax:

   `configure /site/config <system> <computer>`

   For instance, type: **`configure /site/config ab a`**

   When the prompt reappears, the configuration file has been checked. If the system detects any errors, it displays appropriate bad configuration messages.

8. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt changes to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A# offline`
   d. Reconfigure the system by typing: `NRCS-A# configure`
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A# online`
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt changes back to a dollar sign ($).

Install Avid Central on the iPad or iPhone

The following procedure assumes licensing, setup, and configuration of the Interplay Central and iNEWS servers have already been completed.

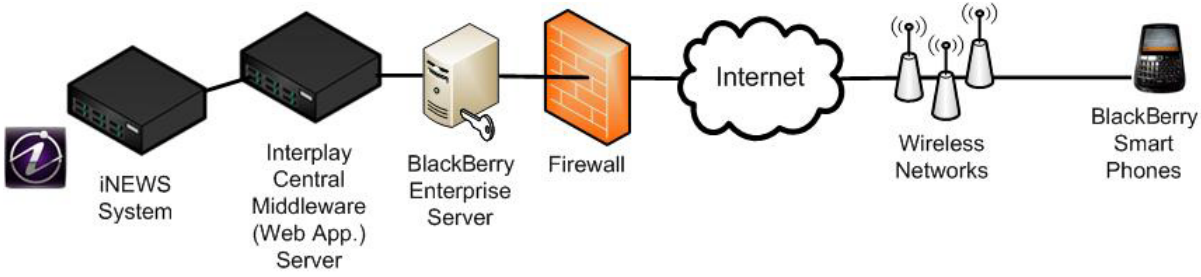
To install Avid Central on the iPad or iPhone:

1. Open iTunes (the Apple market).
2. Locate the Avid Central mobile application.
3. Tap Download.

When the Avid Central mobile application is installed on your touch-screen device, an icon representing the application appears on the home screen. You can move it elsewhere like icons for other applications.

Installation and Configuration for the BlackBerry

The following image shows a basic illustration of how a BlackBerry mobile device securely connects to an iNEWS newsroom computer system.



There are various connection options available when using the Avid Central mobile application:

- Wi-Fi
- Direct TCP (Carrier specific APN)
- MDS or BlackBerry Enterprise Server (BES)
- BlackBerry Internet Services (BIS)
- WAP 2.0

The application automatically selects the first available connection from the list of options according to the priority shown in the list.

Avid requires the use of a BlackBerry Enterprise Server. If your site does not plan to use a signed certificate for the Interplay Central server then users need to configure their BlackBerry devices to use the untrusted certificates by going through Advanced security settings (Proxy TLS) on each handheld device.

Checklist: Before You Begin

Before you can use the Avid Central mobile application with an iNEWS newsroom computer system, you need to verify some important information and install the application on the device(s). For convenience, you can print the following table and fill in the information unique to your site.

Type of Information Needed	Site Specific Notes
PINs from each BlackBerry device	
The hostname of the Interplay Central middleware (Web application) server	

Then ensure the following tasks are completed.

	Tasks	Refer to...
❑	Configure iNEWS for licensed integration with the Avid Central mobile application.	“iNEWS Configuration for BlackBerry Integration” on page 13
❑	Install Avid Central on the mobile device(s).	“Install Avid Central on the BlackBerry” on page 16

iNEWS Configuration for BlackBerry Integration

Before you can connect to an iNEWS newsroom computer system from a device running the Avid Central mobile application, you must edit three system files in iNEWS so that iNEWS recognizes the Avid Central mobile application as a properly licensed device.

The files to edit are:

- SYSTEM.CLIENT.MOBILE-VERSIONS
- SYSTEM.CLIENT.MOBILE-IDS
- iNEWS configuration file

Editing SYSTEM.CLIENT.MOBILE-VERSIONS

You use the iNEWS console in superuser mode. for some steps in the following procedure. For more information, see "The iNEWS Console" chapter in the *iNEWS Installation and Configuration Guide*.

To edit the SYSTEM.CLIENT.MOBILE-VERSIONS story in iNEWS:

1. Sign in to an iNEWS workstation as a system administrator, or any user account with write access to the System directory.
2. Navigate to SYSTEM.CLIENT.MOBILE-VERSIONS and open the first story in that queue.
3. On a new line, add the version of the Avid Central mobile application for the mobile device.
4. Save the story.
5. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt changes to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A# offline`
   d. Reconfigure the system by typing: `NRCS-A# configure`
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A# online`
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt changes to a dollar sign ($).

Editing SYSTEM.CLIENT.MOBILE-IDS

You can securely connect to an iNEWS newsroom computer system from any location with cellular service by using a BlackBerry smart phone running the Avid Central mobile application, but only if the iNEWS system recognizes the personal identification number (PIN) for your phone.

Some steps in the following procedure are conducted at the iNEWS console in superuser mode. For more information, see "The iNEWS Console" chapter in the *iNEWS Installation and Configuration Guide*.

To edit the SYSTEM.CLIENT.MOBILE-IDS story in iNEWS:

1. Sign in to an iNEWS workstation as a system administrator, or any user account with write access to the System directory.
2. Navigate to SYSTEM.CLIENT.MOBILE-IDS and open the first story in that queue. If it does not exist, you will have to create it in the iNEWS database.
3. Add the PIN for each mobile device using the Avid Central mobile application to connect to iNEWS (one PIN per line). Use a semicolon to add an explanatory note to the end of the line for future reference.

   For instance, type: **`32145AZ0 ; News director's cellphone`**

On a BlackBerry smart phone, you can locate your PIN by navigating to Options > Status.

4. Save the story.
5. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt changes to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A#` **`offline`**
   d. Reconfigure the system by typing: `NRCS-A#` **`configure`**
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A#` **`online`**
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt changes to a dollar sign ($).

Adding BlackBerry Devices to the iNEWS Configuration File

The configuration file (/site/config) lists all devices, servers, and resources configured to run on your iNEWS newsroom computer system and how they are connected. If a mobile device does not appear in the configuration file, you cannot use it with the iNEWS newsroom computer system.

Use the iNEWS console for the following procedure. For more information, see "The iNEWS Console" and "System Configuration" chapters in the *iNEWS Installation and Configuration Guide*. Some steps require use of ed, the line editor. If you do not know how to use the line editor to modify lines in the file, please see "The Line Editor, ed" in the *iNEWS Installation and Configuration Guide*.

To edit /site/config for the Avid Central mobile application:

1. Select all servers.

Whenever you make changes to any iNEWS site file, such as the configuration file, you must select all servers in your system at the console. Unlike database stories, site files are not automatically mirrored from one computer's disk to another.

2. Type: **`ed /site/config`** and then press Enter.

   The editor displays a numerical value indicating the file size expressed as the number of characters, including spaces and returns.

   The configuration file has two major sections: the host section and the device section. For Avid Central mobile integration, you must edit both.

3. In the host section, add a resource list entry using the following format.

   ```
   reslist <device # or range> ; <comments>
   ```

   For instance: **`reslist 2001:2005 ;Avid Central mobile applications`**

For dual or triple server systems, the configuration file has multiple host sections to define which server handles which devices under various circumstances. You should add resource list entries to each host section.

4. In the device section, add a resource line for the mobile devices using the following format.

   ```
   mbl <device # or range> - gnews <device name> ;<comment>
   ```

   For instance: **`mbl 2001:2005 - gnews - ;Avid Central mobile applications`**

5. Type **`w`** to write (save) your changes to disk.

Do not use an uppercase W in this step. Uppercase W appends the file you edit to the existing file. The resulting file might be unreadable and lead to problems with running your iNEWS system.

6. Type **q** to quite the line editor.
7. (Optional) Use the configure command to test your configuration changes, using the following syntax.

   `configure /site/config <system> <computer>`

   For instance, type: **`configure /site/config ab a`**

   When prompt reappears, the configuration file has been checked. If the system detects any errors, it displays appropriate bad configuration messages.
8. Reconfigure the system. From the iNEWS console:
   a. Select the master computer, which is typically server A.
   b. Enter superuser mode, using the correct password.

      The dollar sign ($) at the end of the console's server prompt changes to a pound sign (#).
   c. Take the system offline by typing: `NRCS-A#` **`offline`**
   d. Reconfigure the system by typing: `NRCS-A#` **`configure`**
   e. When the prompt reappears, bring the system back online by typing: `NRCS-A#` **`online`**
   f. Press Ctrl+D to leave superuser mode.

      The pound sign (#) at the end of the console's server prompt changes to a dollar sign ($).

Install Avid Central on the BlackBerry

The following procedure assumes licensing, setup, and configuration of the Interplay Central and iNEWS servers have already been completed.

To install Avid Central on the BlackBerry device:

1. Open the phone's browser.
2. Navigate to the BlackBerry folder on your site's Interplay Central middleware (Web application) server by typing the URL in the following format:

   `<hostname>/bb/`

   For instance, if your server's hostname is InterplayCentral-A, then you would type: **`InterplayCentral-A/bb/`**
3. If prompted with a message about "different domain name", click Continue.

Some messages mentioned in this procedure might not appear during every installation.

4. The following message might appear:

   ```
   You are attempting to open a secure connection, but the server's
   certificate is not trusted.
   ```

   If you receive this message, click Continue.

5. A Web page appears similar to the one shown in the following illustration:

   Click the link provided on the Web page to download the native BlackBerry mobile application for Avid Central.

If the page does not appear, or you receive an "Access Denied: Insecure SSL Request" error, you need to modify the security settings (Proxy or Handheld TLS) on your BlackBerry to allow for the Interplay Central middleware server to be a trusted host. For more information, see *"Modifying Your Phone's Security Settings" on page 18.*

6. When the Download Avid Central screen appears, click Download.

   A progress bar appears during the download. After the download completes, a second dialog appears once the application is installed successfully.

7. Click OK.

   The Avid Central mobile application installation installs an icon representing the application. Depending on the version your BlackBerry operating system, you can find the icon on the main menu of applications or in the Download folder. You can move it to another location as you can move icons for any other BlackBerry applications.

The first time you start the application, you are prompted with the following message: "Would you like to grant Interplay Central trusted application status?" Select Yes.

Modifying Your Phone's Security Settings

If the Interplay Central middleware server is not updated with a signed certificate, then you must modify the security settings (Proxy or Handheld TLS) for each BlackBerry handheld to allow for the server to be a trusted host.

To add a trusted host:

1. On your BlackBerry, press the Menu button.
2. Select Options.
3. Select Security Options.
4. Select Advanced Security Options.
5. Select TLS.
6. Set TLS Default to Proxy.
7. Press the Menu button.
8. Select Add Host.
9. Enter the host name for the Interplay Central middleware (Web application) server.
10. Click OK.
11. Press the Back button.
12. Click Save, when prompted, to save the new settings.

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